

TITLE OF THE INVENTION:

MAGNETIC RECORDING MEDIUM AND PROCESS FOR PRODUCING THE
SAME

BACKGROUND OF THE INVENTION:

The present invention relates to a magnetic recording medium and a process for producing the magnetic recording medium, and more particularly, to a magnetic recording medium capable of exhibiting a relatively high coercive force, especially a coercive force of not less than 159 kA/m (2,000 Oe) despite as small a film thickness as not more than 200 nm, and an excellent surface smoothness, and a process for producing the magnetic recording medium at one step.

In recent years, in magnetic recording apparatuses such as hard disk devices, there has been a remarkable tendency that information devices or systems used therefor are miniaturized and required to have a high reliability. With such a recent tendency, in order to deal with a large capacity data, there is an increasing demand for providing magnetic recording media on which information can be stored with a high density.

In order to satisfy such requirements, the magnetic recording media have been strongly required to have not only a high coercive force, but also reduce a distance between a magnetic head and a magnetic recording layer (magnetic spacing).

As magnetic recording media having a high coercive force, there is widely known those comprising a substrate and a

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